APR 1 9 2004	46 30	dusting his of coope		U.S. Patent	and Tr	ademark Off	PTO/SB/21 (02-04) use through 07/31/2006. OMB 0651-0031 ice; U.S. DEPARTMENT OF COMMERCE			
Under the Path work Reduction Act of 1995, no persons TRANSMITTAL				Application Akmshar	n of information unless it displays a valid OMB control number 10/773,343					
TRANSMITTAL					February 6, 2004					
FORM				<u></u>	Paul R. Sharps et al.					
(to be used for all correspondence after initial filing)			Grina I	Adles						
(ii) be used to	r an correspo	Jioence alter Iritial i	wy)	Examiner Name	Unknown					
					Unknown					
Total Number of Pages in This Submission			3	Attorney Docket Number 1002X						
ENCLOSURES (Check all that apply)										
Document(s) Response to Missing Parts/				Drawing(s) Licensing-related Papers Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Address Terminal Disclaimer Request for Refund CD, Number of CD(s)		Lo Article Art	ter Allowance communication Group speal Communication to Board Appeals and Interferences speal Communication to Group pepeal Motice, Brief, Reply Brief) oprietary Information atus Letter ther Enclosure(s) (please entify below): ower Of Attorney			
Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53										
	15			F APPLICANT, ATTORNE	Y, O	R AGEN				
or Individual name Signature	individual name 1600 Eubank Blvd. SE, Albuquerque, NM 8/132									
Date	4-15-	2004								
			, , ,,,,,,							
CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.										
Typed or printed i	name						***************************************			
Signature						· · · · · · · · · · · · · · · · · · ·	Date			

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/81 (09-03)

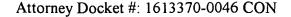
Approved for use through 11/30/2005. OMB 0651-0035
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM

Application Number	10/773,343				
Filing Date	February 6, 2004				
First Named Inventor	Paul R. Sharps et al.				
Title	App & Method for Integral Bypa				
Art Unit					
Examiner Name					
Attorney Docket Number	1002X				

I hereby appoint:									
Practitioners associated with the Customer Number:									
OR									
Practitioner(s) named below:									
	Name	Registration Number							
Daniel R. McGlynn		26,570							
as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.									
Please recognize or change	e the correspondence address for the above	e-identified applic	ation to:						
Please recognize or change the correspondence address for the above-identified application to:									
The address asso	The address associated with the above-mentioned Customer Number:								
OR	<u> </u>								
The address asso	The address associated with Customer Number:								
OR									
Firm or Individual Name	e Daniel McGlynn / Emcore Corporation	Daniel McGlynn / Emcore Corporation							
Address	145 Belmont Drive	145 Belmont Drive							
Address									
City	Somerset,	State	NJ	Zip 08873					
Country	United States	172	1						
Telephone		Fax	1						
I am the: **Xypolicant/loventor	x Attorney of Record								
Assignee of record of the entire interest. See 37 CFR 3.71.									
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)									
SIGNATURE of Applicant or Assignee of Record									
Name James M. Wu 1999 No. 45 241									
Signature Signature									
Date March 17, 200			Telephone	650-213-0300					
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.									
*Total offorms are submitted.									

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re to Patent Application of: Paul R. Sharps et al.

Application No.: 10/773,343

Filed: February 6, 2004

For: An Apparatus and Method for Integral Bypass Diode

in Solar Cell

Art Unit: Unknown

Examiner: Unknown

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

ASSOCIATE POWER OF ATTORNEY

Sir:

As attorney of record in the above identified application, I hereby appoint Daniel R. McGlynn, Reg. No. 26,570, as associate attorney to prosecute such application, and to transact all business in the United States Patent and Trademark Office connected therewith.

Dated: March 17, 2004

Respectfully submitted

ToZ

Registration No.: 45,241

WHITE & CASE LLP

3000 El Camino Real

Five Palo Alto Square, 10th Floor

Palo Alto, CA 94306

(650) 213-0300

Attorney for Applicant